



1741

(Modified) PTO/SB/21 (12-97)

For use through 9/30/00 OMB 0651-0031

TRANSMITTAL
FORM

(to be used for all correspondence after initial filing)

Application Number	10/076,135
Filing Date	February 14, 2002
First Named Inventor	Stern
Group Art Unit	1741
Examiner Name	
Total number of pages This Submission	Attorney Docket No. 100/11020

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form (in duplicate) <input type="checkbox"/> Fee Attached <input type="checkbox"/> No Fee Required <input type="checkbox"/> Amendment/Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Info. Discl. Stmt. (2 pages) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawings <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> To Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below): PTO Form 1449 (5 pages) 92 references Return Receipt Postcard
Authorization to Charge Deposit Account Please charge Deposit Account No. 03-0177 for any additional fees associated with this paper or during the pendency of this application.		
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Individual Name	Andrew L. Filler	Reg. No.	44,107
Signature			
Date	8-28-02		

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231 on this date: August 28, 2002			
Typed or Printed Name		Michelle Chan	
Signature	Michelle Chan	Date:	August 28, 2002

I hereby certify that this correspondence is being deposited
with the United States Postal Service as first class mail
addressed to:
Assistant Commissioner for Patents
Washington, D.C. 20231

PATENT
100/11020

August 28, 2002

By Michelle Chan
Michelle Chan

RECEIVED
SEP - 4 2002
TC 1700 MAIL ROOM

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

SETH R. STERN et al.

Application No.: 10/076,135

Filed: February 14, 2002

For: METHODS AND SYSTEMS FOR
ENHANCED DELIVERY OF
ELECTRICAL CURRENTS TO
FLUIDIC SYSTEMS

Examiner: Unknown

Art Unit: 1741

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR § 1.97
AND 1.98

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The references cited on the attached form PTO-1449 are being called to the
attention of the Examiner. A copy of each reference is enclosed.

It is respectfully requested that the cited information be expressly considered
during the prosecution of this application, and the references be made of record therein and
appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR §1.97(g) and (h), no inference should be made that the
information and references cited are prior art merely because they are in this statement and no
representation is made that a search has been conducted or that this statement encompasses all
possible relevant information.

SETH R. STERN et al.
Serial No. 10/076,135
Page 2

Applicants believe that no fee is required for submission of this statement, since it is being submitted within three months of the filing date or prior to the first Office Action. However, if a fee is required, the Commissioner is authorized to charge such fee to Deposit Account No. 03-0177. Please charge any additional fees or credit any overpayment to the above-noted deposit account.

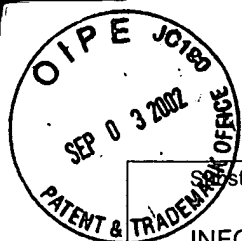
Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Andrew L. Filler".

Andrew L. Filler
Reg. No. 44,107

CALIPER TECHNOLOGIES CORP.
605 Fairchild Drive
Mountain View, CA 94043
Ph: (650) 623-0700
Fax: (650) 623-0500

ALF:mc

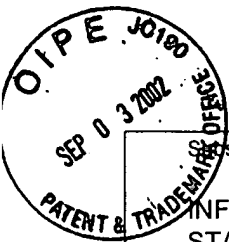


Substitute for form 1449A-B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Complete if Known	
	Application Number	10/076,135
	Filing Date	February 14, 2002
	First Named Inventor	Stern
	Group Art Unit	1741
	Examiner Name	
	Attorney Docket Number	100/11020

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
	AA	4,390,403		Batchelder	06-28-1983	
	AB	4,908,112		Pace	03-13-1990	
	AC	5,126,022		Soane et al.	06-30-1992	
	AD	5,271,724		van Lintel	12-21-1993	
	AE	5,277,556		van Lintel	01-11-1994	
	AF	5,375,979		Trah	12-27-1994	
	AG	5,498,392		Wilding et al.	03-12-1996	
	AH	5,512,131		Kumar et al.	04-30-1996	
	AI	5,571,410		Swedberg et al.	11-05-1996	
	AJ	5,585,069		Zanzucchi et al.	12-17-1996	
	AK	5,593,838		Zanzucchi et al.	01-14-1997	
	AL	5,603,351		Cherukuri et al.	02-18-1997	
	AM	5,635,358		Wilding et al.	06-03-1997	
	AN	5,637,469		Wilding et al.	06-10-1997	
	AO	5,699,157		Parce	12-16-1997	
	AP	5,716,852		Yager et al.	02-10-1998	
	AQ	5,750,015		Soane et al.	05-12-1998	
	AR	5,800,690		Chow et al.	09-01-1998	
	AS	5,858,187		Ramsey et al.	01-12-1999	
	AT	5,858,195		Ramsey	01-12-1999	
	AU	5,869,004		Parce et al.	02-09-1999	
	AV	5,876,675		Kennedy	03-02-1999	
	AW	5,880,071		Parce et al.	03-09-1999	
	AX	5,882,465		McReynolds	03-16-1999	
	AY	5,885,470		Parce et al.	03-23-1999	
	AZ	5,932,100		Yager et al.	08-03-1999	
	BA	5,942,443		Parce et al.	08-24-1999	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitute for form 1449A-B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Complete if Known	
	Application Number	10/076,135
	Filing Date	February 14, 2002
	First Named Inventor	Stern
	Group Art Unit	1741
	Examiner Name	
	Attorney Docket Number	100/11020

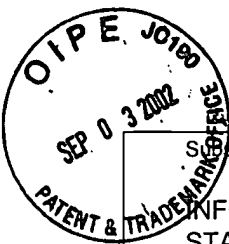
	BB	5,948,227		Dubrow	09-07-1999	
	BC	5,955,028		Chow	09-21-1999	
	BD	5,958,694		Nikiforov	09-28-1999	
	BE	5,959,291		Jensen	09-28-1999	
	BF	5,965,410		Chow et al.	10-12-1999	
	BG	5,976,336		Dubrow et al.	11-02-1999	
	BH	5,989,402		Chow et al.	11-23-1999	
	BI	6,001,229		Ramsey	12-14-1999	
	BJ	6,001,231		Kopf-Sill	12-14-1999	
	BK	6,012,902		Parce	01-11-2000	
	BL	6,042,709		Parce et al.	03-28-2000	
	BM	6,062,261		Jacobson et al.	05-16-2000	
	BN	6,074,725		Kennedy	06-13-2000	
	BO	6,100,541		Nagle et al.	08-08-2000	
	BP	6,120,666		Jacobson et al.	09-19-2000	
	BQ	6,221,226		Kopf-Sill	04-24-2001	
	BR	6,235,471		Knapp et al.	05-22-2001	
	BS	6,280,589		Manz et al.	08-28-2001	
	BT					

RECEIVED
SEP-14 2002
TC 1700 MAIL ROOM

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
	BU	WO	9405414		UC Regents	03-17-1994		
	BV	WO	9502189		Abaxis, INC.	01-19-1995		
	BW	WO	9604547		Lockheed Martin	02-15-1996		
	BX	WO	9702357		Affymetrix, Inc.	01-23-1997		
	BY	WO	9845481		Caliper	09-15-1998		
	BZ	WO	9846438		Caliper	09-22-1998		
	CA	WO	9849548		Caliper	10-05-1998		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



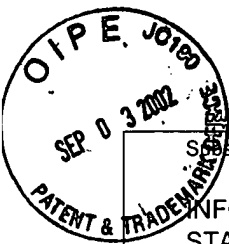
Substitute for form 1449A-B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Complete if Known	
	Application Number	10/076,135
	Filing Date	February 14, 2002
	First Named Inventor	Stern
	Group Art Unit	1741
	Examiner Name	
	Attorney Docket Number	100/11020

RECEIVED
SEP - 14 2002
PTO

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	CB	DASGUPTA, P.K. et al., "Electroosmosis: A Reliable Fluid Propulsion System for Flow Injection Analysis," <u>Anal. Chem.</u> (1994) 66:1792-1798	
	CC	EFFENHAUSER, C.S. et al., "Glass Chips for High-Speed Capillary Electrophoresis Separations with Submicrometer Plate Heights," <u>Anal. Chem.</u> (1993) 65: 2637-2642	
	CD	EFFENHAUSER, C.S. et al., "High Speed Separation of Antisense Oligonucleotides on a Micromachined Capillary Electrophoresis Device," <u>Anal. Chem.</u> (1994) 66: 2949-2953	
	CE	EFFENHAUSER, C.S. et al., "Integrated Capillary Electrophoresis on Flexible Silicone Microdevices: Analysis of DNA Restriction Fragments and Detection of Single DNA Molecules on Microchips," <u>Anal. Chem.</u> (1997) 69: 3451-3457	
	CF	FAN, Z.H. et al., "Micromachining of Capillary Electrophoresis Injectors and Separators on Glass Chips and Evaluation of Flow at Capillary Intersections," <u>Anal. Chem.</u> (1994) 66: 177-184	
	CG	FISTER, J.C. III et al., "Counting Single Chromophore Molecules for Ultrasensitive Analysis and Separations on Microchip Devices," <u>Anal. Chem.</u> (1998) 70: 431-437	
	CH	HADD, A.G. et al., "Microfluidic Assays of Acetylcholinesterase," <u>Anal. Chem.</u> (1999) 71: 5206-5212	
	CI	HARRISON, J. et al., "Capillary Electrophoresis and Sample Injection Systems Integrated on a Planar Glass Chip," <u>Anal. Chem.</u> (1992) 64: 1926-1932	
	CJ	HARRISON, J. et al., "Towards Miniaturized Electrophoresis and Chemical Analysis Systems on Silicon: An Alternative to Chemical Sensors*," <u>Sensors and Actuators B</u> (1993) 10: 107-116	
	CK	HARRISON, J. et al., "Micromachining a Miniaturized Capillary Electrophoresis-Based Chemical Analysis System on a Chip," <u>Science</u> (1993) 261: 895-897	
	CL	HARRISON, D.J. et al., "Integrated Electrophoresis Systems for Biochemical Analyses," <u>Solid-State Sensor and Actuator Workshop</u> (1994) 21-24	
	CM	JACOBSON, S.C. et al., "Effects of Injection Schemes and Column Geometry on the Performance of Microchip Electrophoresis Devices," <u>Anal. Chem.</u> (1994) 66:1107-1113	
	CN	JACOBSON, S.C. et al., "High-Speed Separations on a Microchip," <u>Anal. Chem.</u> (1994) 66: 1114-1118	
	CO	JACOBSON, S.C. et al., "Open Channel Electrochromatography on a Microchip," <u>Anal. Chem.</u> (1994) 66: 2369-2373	
	CP	JACOBSON, S.C. et al., "Precolumn Reactions with Electrophoretic Analysis Integrated on a Microchip," <u>Anal. Chem.</u> (1994) 66: 4127-4132	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitute for form 1449A-B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Complete if Known	
	Application Number	10/076,135
	Filing Date	February 14, 2002
	First Named Inventor	Stern
	Group Art Unit	1741
	Examiner Name	
	Attorney Docket Number	100/11020

TO J1100 MAIL ROOM
RECEIVED
SEP 14 2002

CQ	JACOBSON, S.C. et al., "Microchip Electrophoresis with Sample Stacking," <u>Electrophoresis</u> , (1995) 16: 481-486	
CR	JACOBSON, S.C. et al., "Fused Quartz Substrates for Microchip Electrophoresis," <u>Anal. Chem.</u> (1995) 67: 2059-2063	
CS	JACOBSON, S.C. et al., "Integrated Microdevice for DNA Restriction Fragment Analysis," <u>Anal. Chem.</u> (1996) 68: 720-723	
CT	JACOBSON, S.C. et al., "Electrokinetic Focusing in Microfabricated Channel Structures," <u>Anal. Chem.</u> (1997) 69: 3212-3217	
CU	JACOBSON, S.C. et al., "Microfluidic Devices for Electrokinetically Driven Parallel and Serial Mixing," <u>Anal. Chem.</u> (1999) 71: 4455-4459	
CV	MANZ, A. et al., "Miniaturized Total Chemical Analysis Systems: a Novel Concept for Chemical Sensing," <u>Sensors and Actuators</u> (1990) B1: 244-248	
CW	MANZ, A. et al., "Micromachining of Monocrystalline Silicon and Glass for Chemical Analysis Systems," <u>Trends in Analytical Chemistry</u> (1991) 10:144-149	
CX	MANZ, A. et al., "Planar Chips Technology for Miniaturization and Integration of Separation Techniques into Monitoring Systems," <u>Journal of Chromatography</u> (1992) 593:253-258	
CY	MANZ, A. et al., "Planar Chips Technology for Miniaturization of Separation Systems: A Developing Perspective in Chemical Monitoring,"	
CZ	MANZ, A. et al., "Electroosmotic Pumping and Electrophoretic Separations for Miniaturized Chemical Analysis Systems," <u>J. Micromach. Microeng.</u> (1994) 4: 257-265	
DA	MANZ, A. et al., "Parallel Capillaries for High Throughput in Electrophoretic Separations and Electroosmotic Drug Discovery Systems," <u>International Conference on Solid-State Sensors and Actuators</u> (1997) 915-918	
DB	McCORMICK, R.M. et al., "Microchannel Electrophoretic Separations of DNA in Injection-Molded Plastic Substrates," <u>Anal. Chem.</u> (1997) 69: 2626-2630	
DC	MOORE, A.W. et al., "Microchip Separations of Neutral Species via Micellar Electrokinetic Capillary Chromatography," <u>Anal. Chem.</u> (1995) 67: 4184-4189	
DD	RAMSEY, J.M. et al., "Microfabricated Chemical Measurement Systems," <u>Nature Medicine</u> (1995) 1:1093-1096	
DE	SALIMI-MOOSAVI, H. et al., "Biology Lab-on-a-Chip for Drug Screening," <u>Solid-State Sensor and Actuator Workshop</u> (1998) 350-353	
DF	SEILER, K. et al., "Planar Glass Chips for Capillary Electrophoresis: Repetitive Sample Injection, Quantitation, and Separation Efficiency," <u>Anal. Chem.</u> (1993) 65:1481-1488	
DG	SEILER, K. et al., "Electroosmotic Pumping and Valveless Control of Fluid Flow within a Manifold of Capillaries on a Glass Chip," <u>Anal. Chem.</u> (1994) 66:3485-3491	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitute for form 1449A-B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Complete if Known	
	Application Number	10/076,135
	Filing Date	February 14, 2002
	First Named Inventor	Stern
	Group Art Unit	1741
	Examiner Name	
	Attorney Docket Number	100/11020

	DH	UEDA, M. et al., "Imaging of a Band for DNA Fragment Migrating in Microchannel on Integrated Microchip," <u>Materials Science and Engineering C</u> (2000) 12:33-36	
	DI	WANG, C. et al., "Integration of Immobilized Trypsin Bead Beds for Protein Degestion within a Microfluidic Chip Incorporating Capillary Electrophoresis Separations and an Electrospray Mass Spectrometry Interface," <u>Rapid Commun. Mass Spectrom.</u> (2000) 14:1377-1383	
	DJ	WOOLLEY, A.T. et al., "Ultra-High-Speed DNA Fragment Separations Using Microfabricated Capillary Array Electrophoresis Chips," <u>Proc. Natl. Acad. Sci. USA</u> (1994) 91:11348-11352	
	DK	WOOLLEY, A.T. et al., "Functional Integration of PCR Amplification and Capillary Electrophoresis in a Microfabricated DNA Analysis Device," <u>Anal. Chem.</u> (1996) 68: 4081-4086	
	DL	WOOLLEY, A.T. et al., "High-Speed DNA Genotyping Using Microfabricated Capillary Array Electrophoresis Chips," <u>Anal. Chem.</u> (1997) 69:2181-2186	
	DM	WOOLLEY, A.T. et al., "Capillary Electrophoresis Chips with Integrated Electrochemical Detection," <u>Anal. Chem.</u> (1998) 70: 684-688	
	DN	ZHANG, B. et al., "Microfabricated Devices for Capillary Electrophoresis-Electrospray Mass Spectrometry," <u>Anal. Chem.</u> (1999) 71:3258-3264	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.